

Data File : VV011379.D
Acq On : 11 Jun 2019 06:57
Operator : SY/MD
Sample : K3229-14
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9P34

Quant Time: Jun 11 08:05:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141957	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	129507	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53400	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	36933	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.58	69	36384	4.07	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.12	63	66128	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	3.98	46	125214	51.71	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.42%
24) Chloroform-d	4.40	84	86462	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	5.08	65	49384	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.09	84	165940	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.12	67	52170	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.36	98	143804	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	7.67	79	13210	2.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	58.00%
46) 2-Hexanone-d5	8.14	63	99555	51.80	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38182	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	50271	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

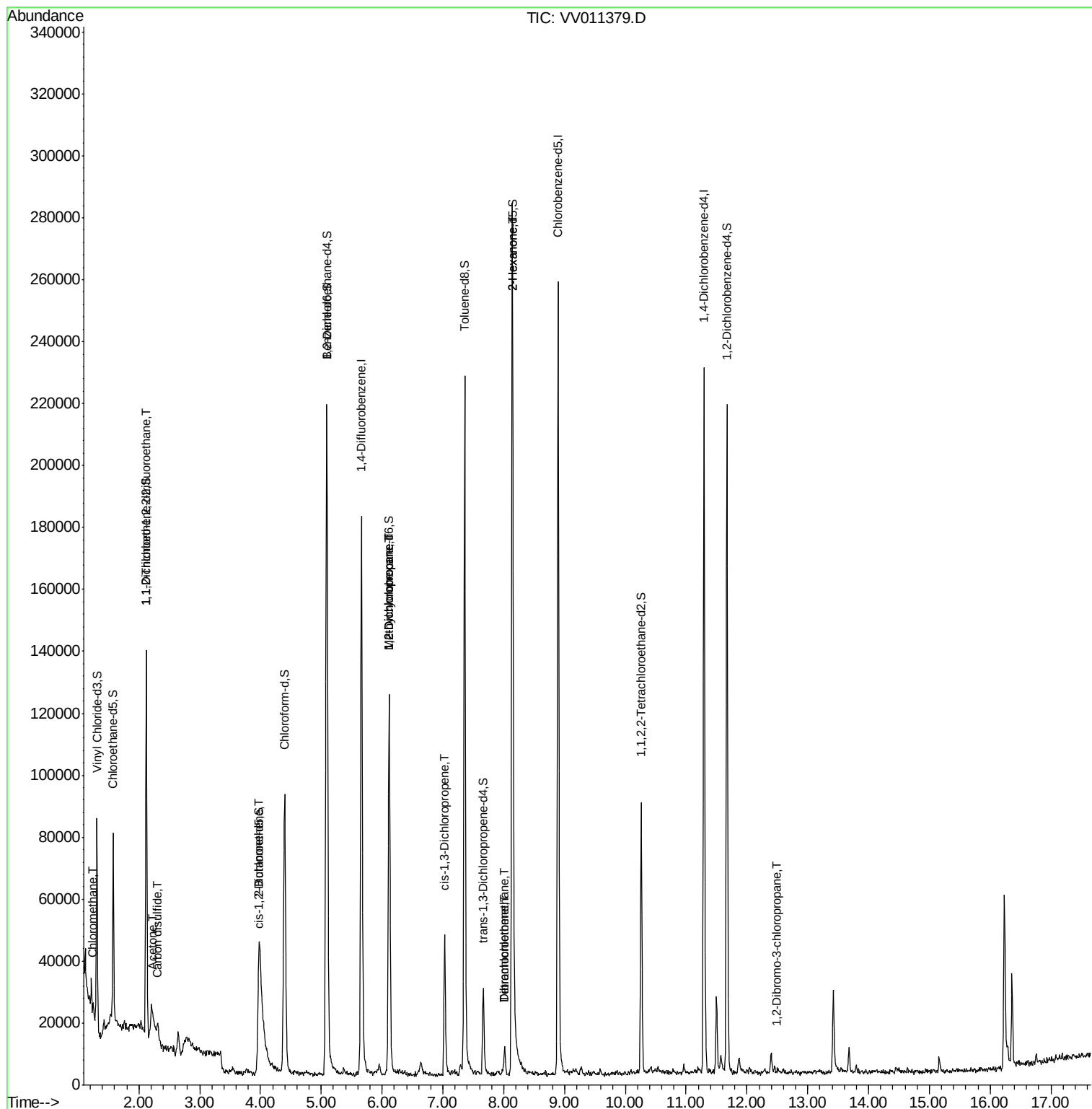
					Qvalue
3) Chloromethane	1.24	50	3192	0.236 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	746	0.081 ug/L #	27
13) Acetone	2.24	43	9441	5.815 ug/L	60
14) Carbon disulfide	2.31	76	4882	0.180 ug/L #	81
22) cis-1,2-Dichloroethene	3.96	96	2494	0.225 ug/L	82
35) Methylcyclohexane	6.12	83	12825	0.728 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	6910	0.674 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1498	0.100 ug/L #	46
47) Tetrachloroethene	8.02	164	1611	0.209 ug/L	95
48) 2-Hexanone	8.14	43	15472	3.397 ug/L #	70
49) Dibromochloromethane	8.02	129	1476	0.198 ug/L #	11
66) 1,2-Dibromo-3-chloropropan	12.49	75	107	0.091 ug/L #	8

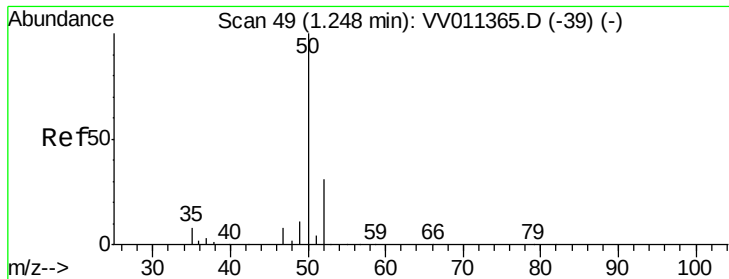
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.236 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

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Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_V

ClientSampleId :

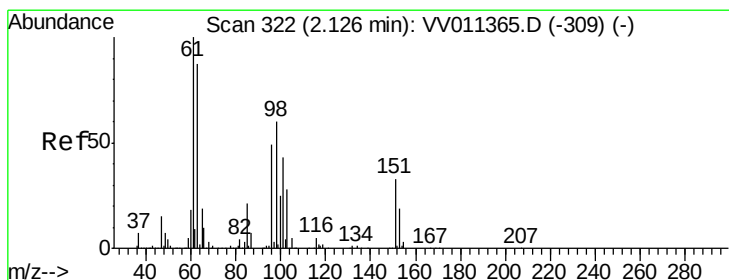
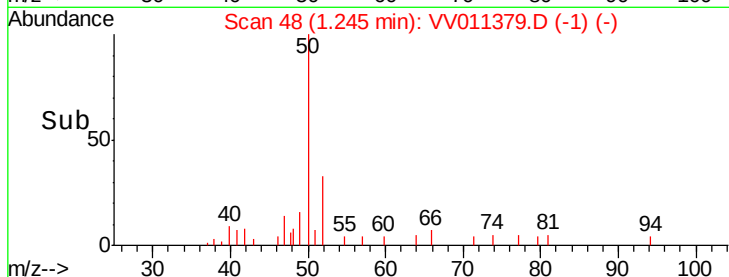
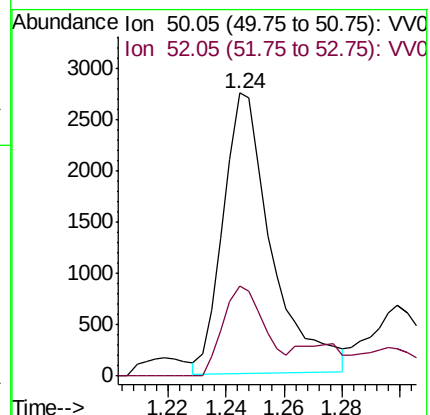
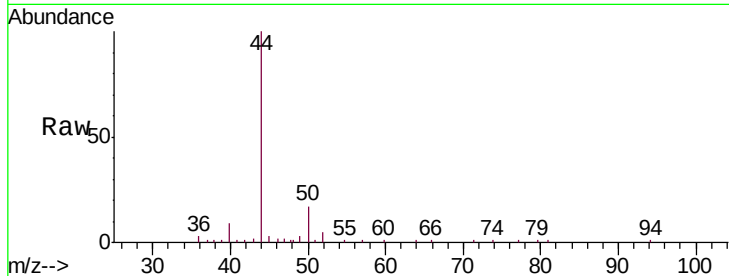
F9P34

Tgt Ion: 50 Resp: 3192

Ion Ratio Lower Upper

50 100

52 31.8 22.3 41.5



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.081 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV011379.D

Acq: 11 Jun 2019 06:57

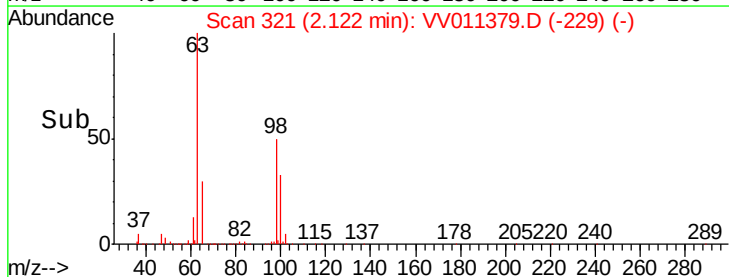
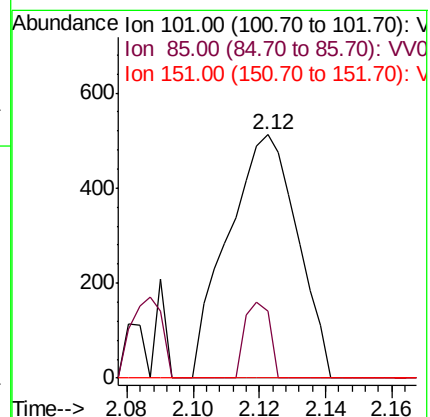
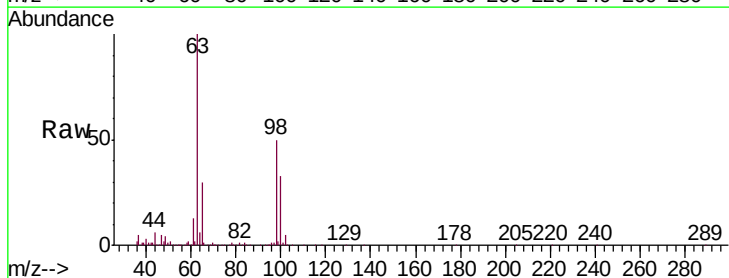
Tgt Ion: 101 Resp: 746

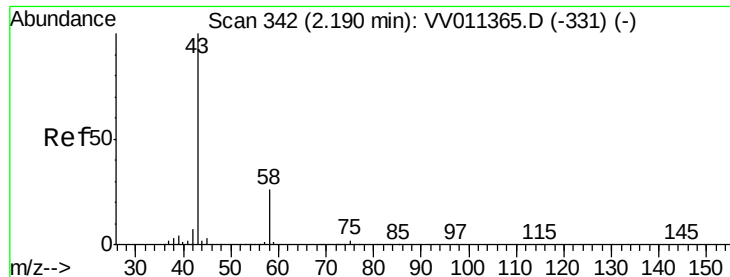
Ion Ratio Lower Upper

101 100

85 11.1 35.5 53.3#

151 0.0 56.9 85.3#





#13

Acetone

Concen: 5.815 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.05 min

Lab File: VV011379.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_V

ClientSampled :

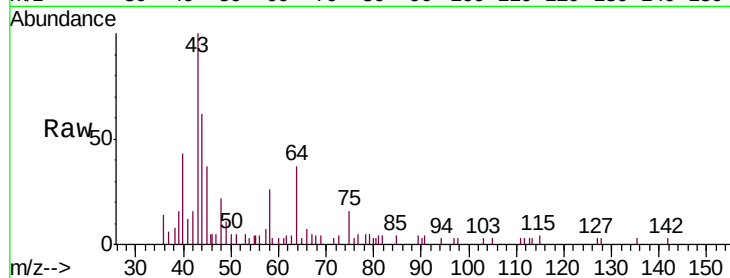
F9P34

Tgt Ion: 43 Resp: 9441

Ion Ratio Lower Upper

43 100

58 6.5 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.24

4000

3000

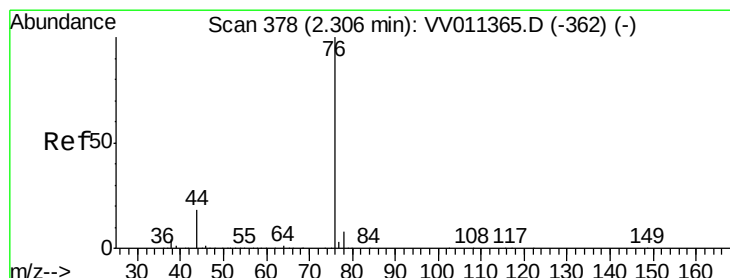
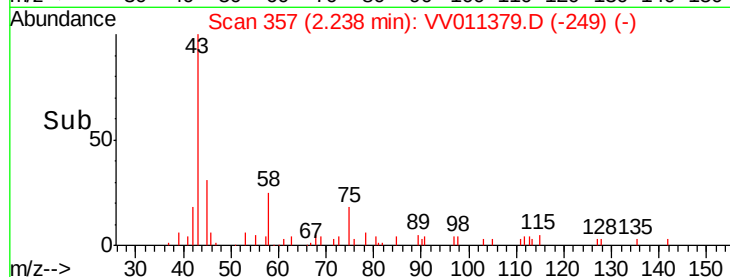
2000

1000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.180 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011379.D

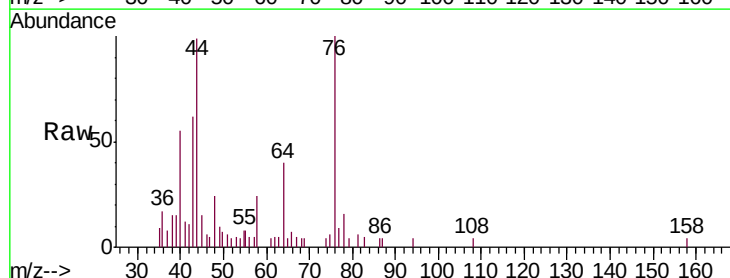
Acq: 11 Jun 2019 06:57

Tgt Ion: 76 Resp: 4882

Ion Ratio Lower Upper

76 100

78 15.9 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

3000

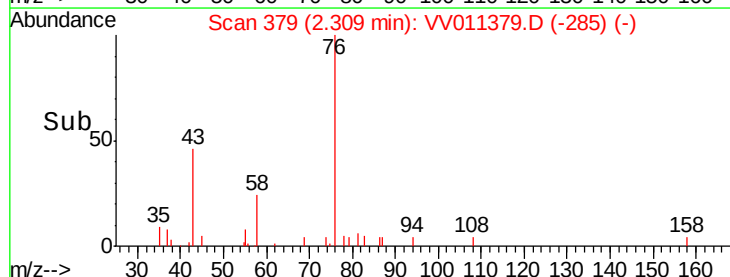
2000

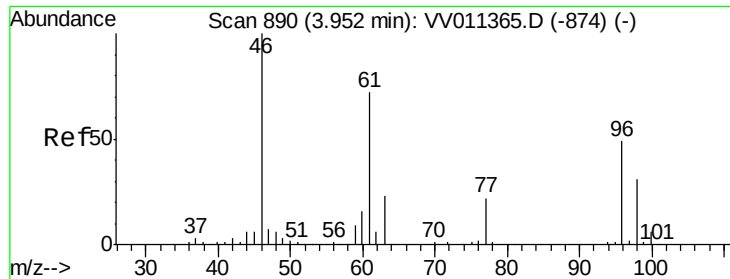
1000

0

Time-->

2.25 2.30 2.35



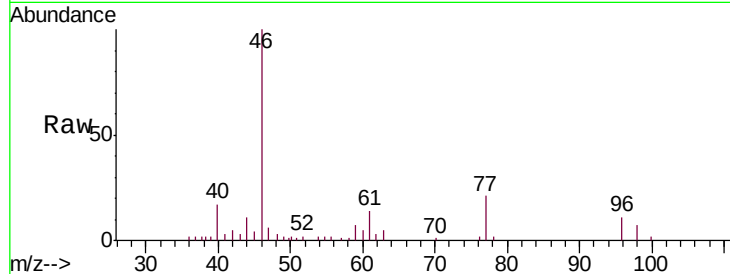


#22

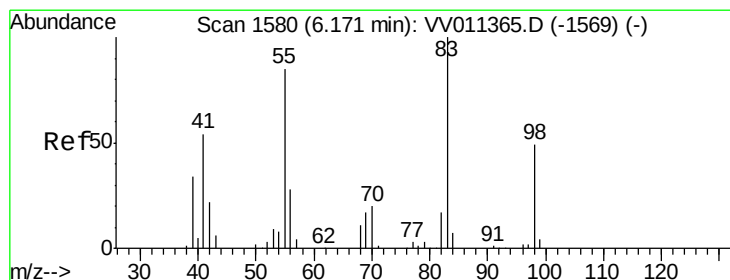
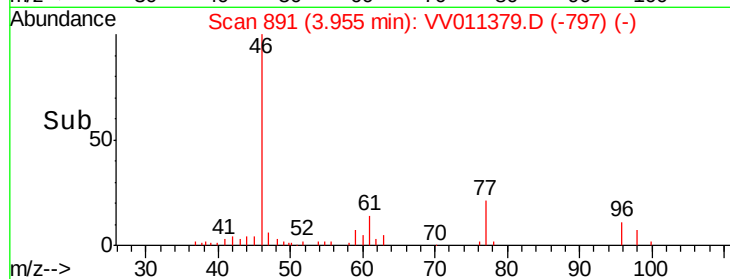
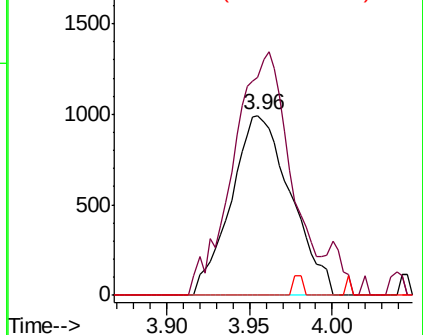
cis-1,2-Dichloroethene
Concen: 0.225 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011379.D
Acq: 11 Jun 2019 06:57

Instrument :
MSVOA_V
ClientSampleId :
F9P34

Tgt Ion: 96 Resp: 2494
Ion Ratio Lower Upper
96 100
61 121.4 100.8 187.2
68 0.0 0.0 0.0



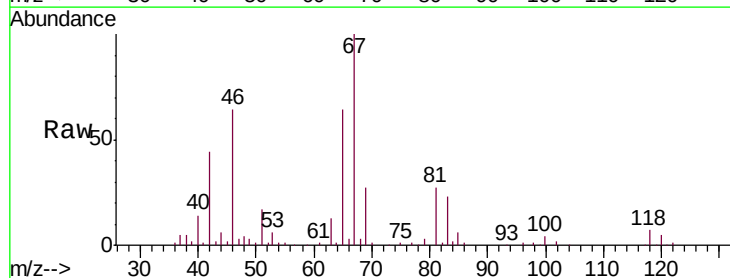
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



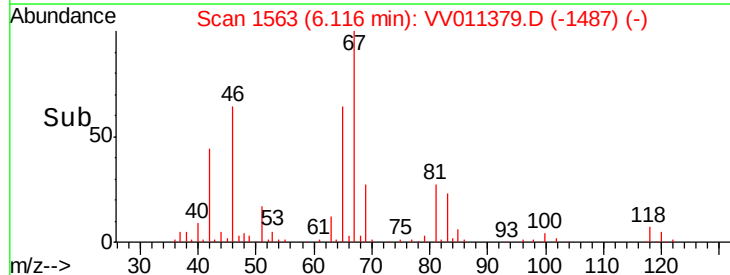
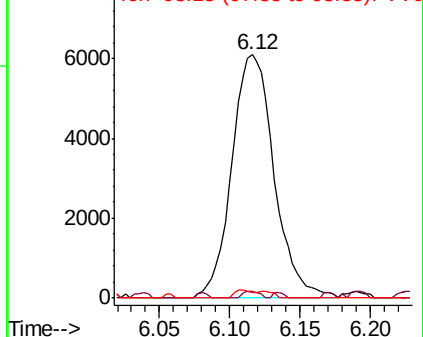
#35

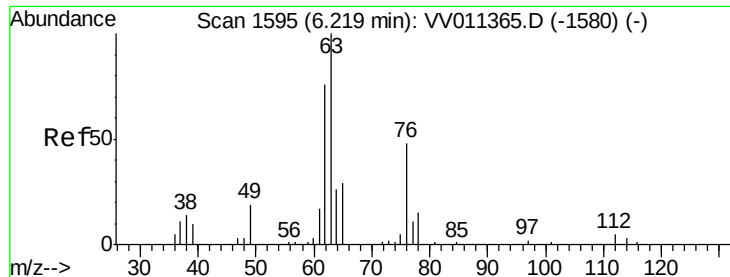
Methylcyclohexane
Concen: 0.728 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011379.D
Acq: 11 Jun 2019 06:57

Tgt Ion: 83 Resp: 12825
Ion Ratio Lower Upper
83 100
55 1.1 67.0 100.6#
98 1.2 40.0 60.0#



Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

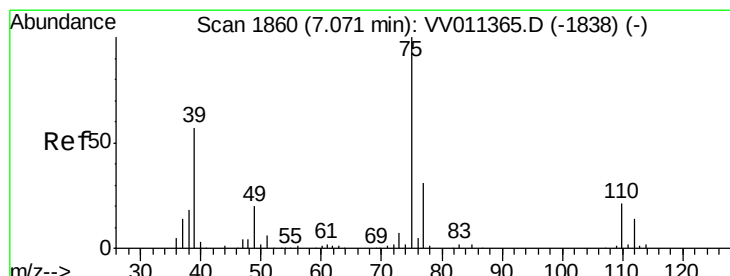
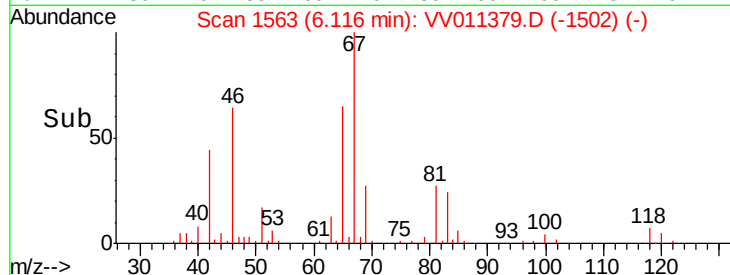
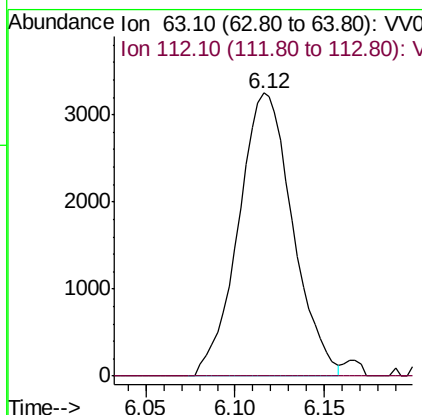
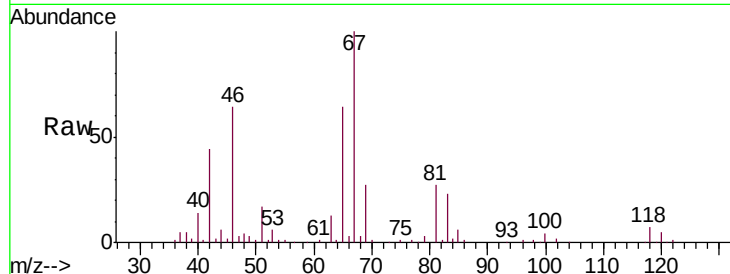




#37
 1,2-Dichloropropane
 Concen: 0.674 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011379.D
 Acq: 11 Jun 2019 06:57

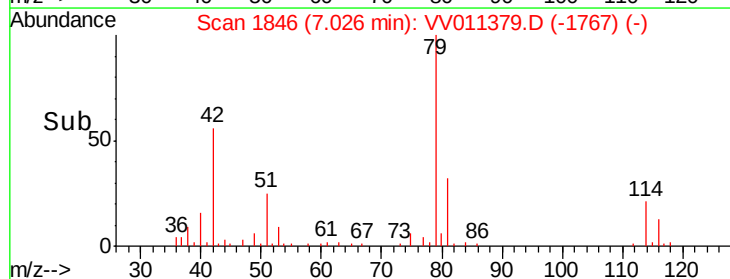
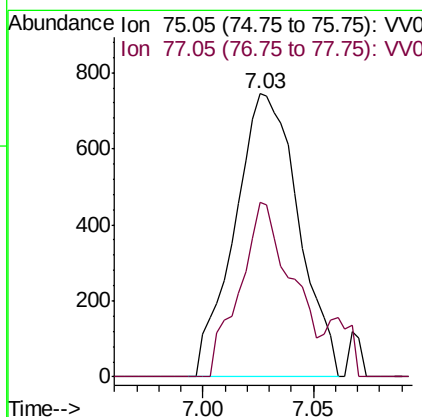
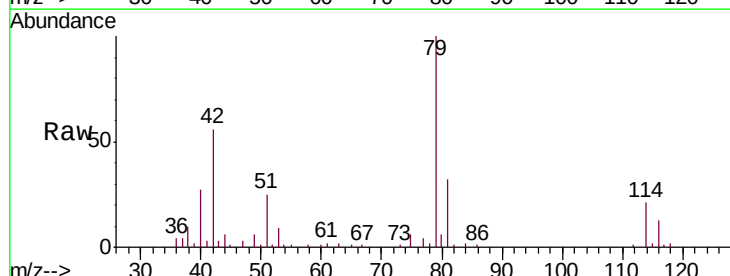
Instrument :
 MSVOA_V
 ClientSampled :
 F9P34

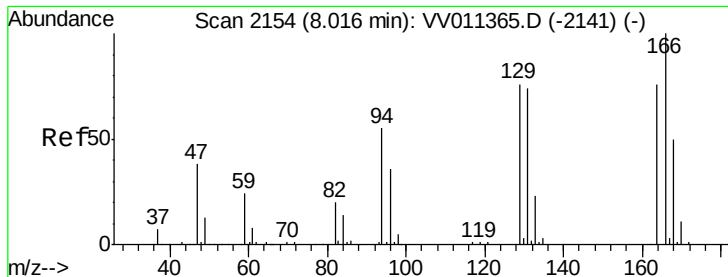
Tgt Ion: 63 Resp: 6910
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.100 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV011379.D
 Acq: 11 Jun 2019 06:57

Tgt Ion: 75 Resp: 1498
 Ion Ratio Lower Upper
 75 100
 77 61.7 22.2 41.2#





#47

Tetrachloroethene

Concen: 0.209 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011379.D

Acq: 11 Jun 2019 06:57

Instrument :

MSVOA_V

ClientSampleId :

F9P34

Tgt Ion:164 Resp: 1611

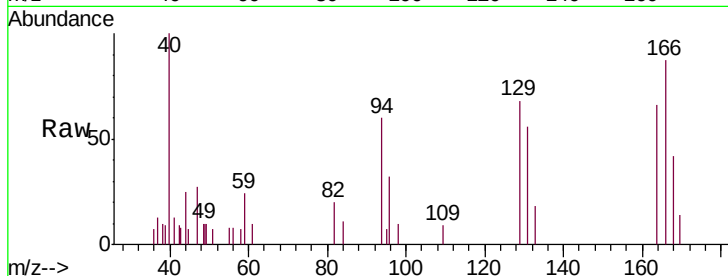
Ion Ratio Lower Upper

164 100

129 102.4 69.9 129.9

131 83.9 66.8 124.2

166 130.9 90.2 167.6

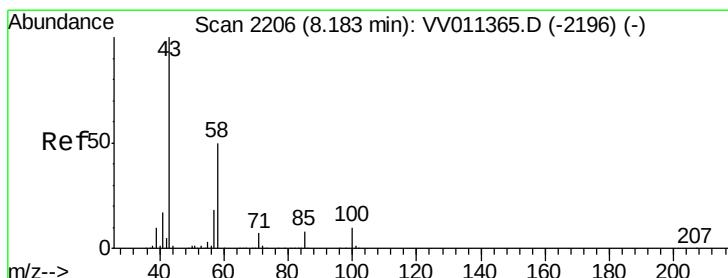
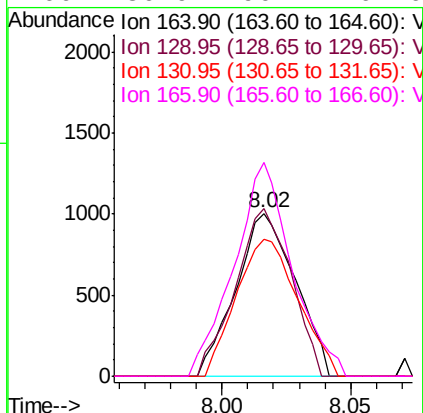
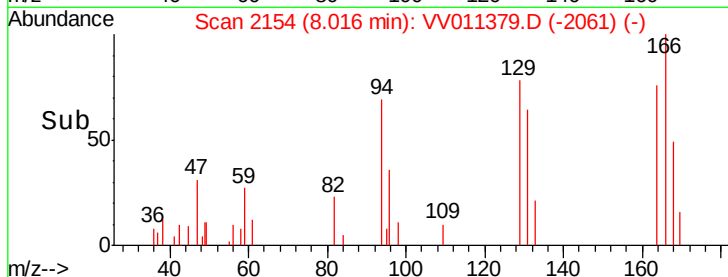


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.397 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.04 min

Lab File: VV011379.D

Acq: 11 Jun 2019 06:57

Tgt Ion: 43 Resp: 15472

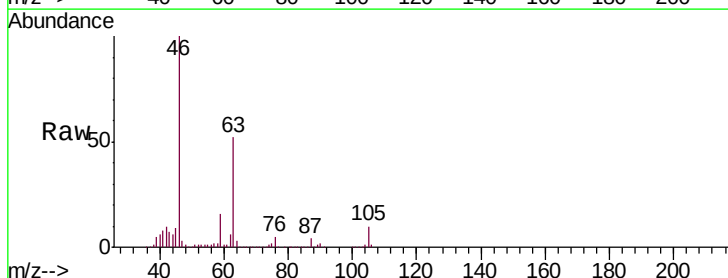
Ion Ratio Lower Upper

43 100

58 25.1 41.4 62.0#

57 23.1 15.0 22.4#

100 1.4 9.0 13.4#

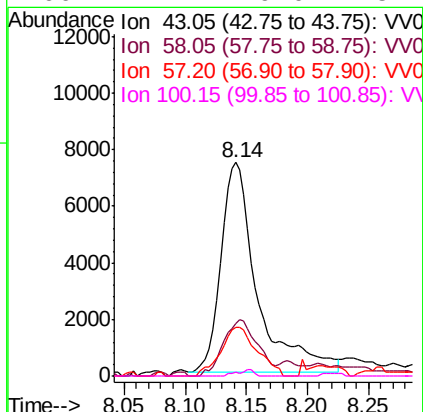
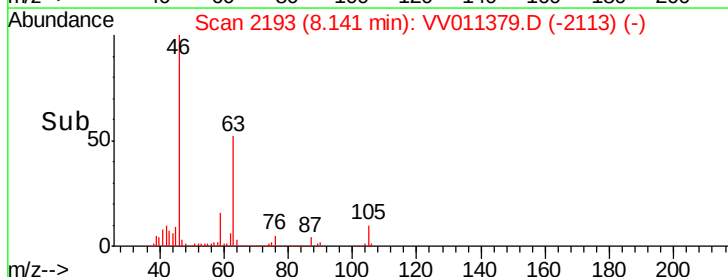


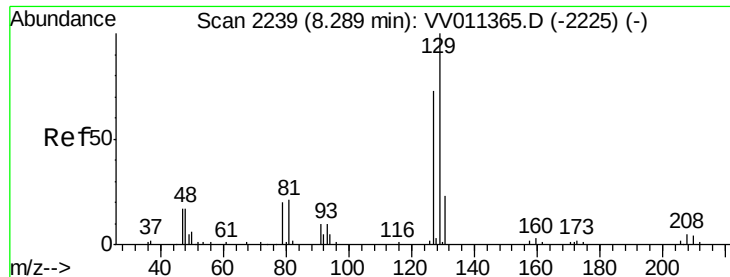
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.198 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011379.D

Acq: 11 Jun 2019 06:57

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MSVOA_V

ClientSampleId :

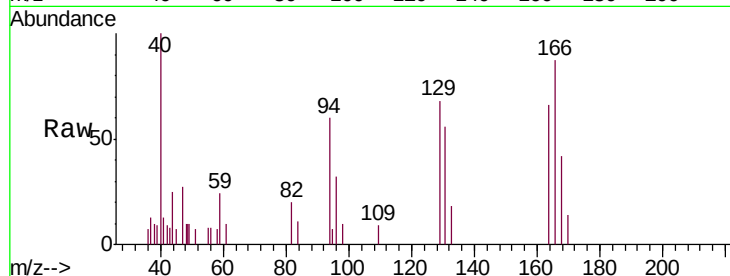
F9P34

Tgt Ion:129 Resp: 1476

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

1200

1000

800

600

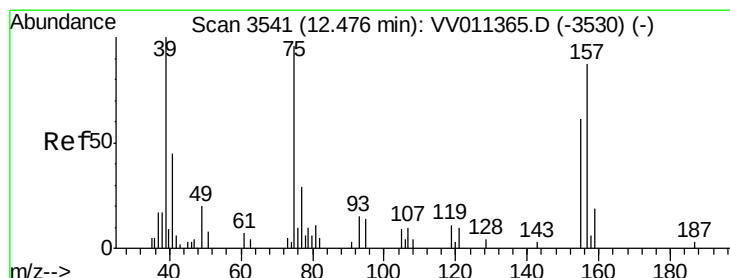
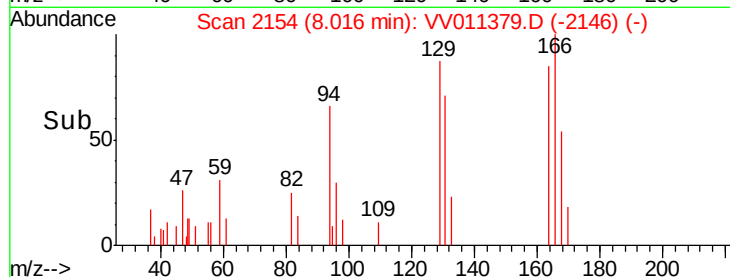
400

200

0

Time-->

7.98 8.00 8.02 8.04



#66

1,2-Dibromo-3-chloropropane

Concen: 0.091 ug/L

RT: 12.49 min Scan# 3545

Delta R.T. 0.01 min

Lab File: VV011379.D

Acq: 11 Jun 2019 06:57

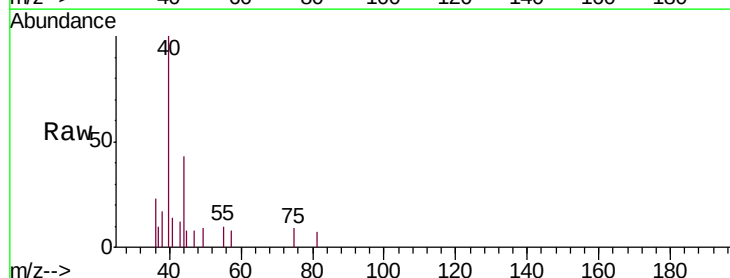
Tgt Ion: 75 Resp: 107

Ion Ratio Lower Upper

75 100

155 0.0 64.4 96.6#

157 0.0 66.7 100.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

150

100

50

0

Time-->

12.48 12.49 12.50

